

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| L1    | 16   | ("2982494"   "3416027"   "4237514"   "4429341"   "4506311"   "4583702"   "4796153"   "4824713"   "5127601"   "5225265"   "5841066"   "6221795"   "6457943"   "6612810").PN.          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR               | ON      | 2009/09/03<br>09:51 |
| S1    | 1    | 10/586557  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR               | ON      | 2009/03/17<br>18:49 |
| S2    | 10   | "6457943"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR               | ON      | 2009/03/17<br>18:55 |
| S3    | 18   | ("3210764"   "4015263"   "4339230"   "4449053"   "4522561"   "4522889"   "4944655"   "5260124"   "5314309"   "5745081"   "5800129"   "5863181"   "6102662").PN. OR ("6457943").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR               | ON      | 2009/03/17<br>18:57 |
| S4    | 269  | (lightning surge transient spike over \$1voltage over adj voltage) same non \$1conduct\$3 near (material filler adhesive polymer)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR               | ON      | 2009/03/18<br>11:18 |

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| S5  | 37 | (lightning surge transient spike over \$1voltage over adj voltage) same non \$1conduct\$3 near (material filler adhesive polymer) same (hole aperture cave cavity chamber cut den dent dimple hollow notch peephole pocket puncture tunnel window) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/03/18<br>11:21 |
| S6  | 31 | "4755904"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/03/18<br>11:30 |
| S7  | 20 | "4628402"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/03/18<br>11:31 |
| S8  | 22 | "3416027"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/03/18<br>11:43 |
| S9  | 26 | ("2466311"   "2982494"   "3121825"   "3416027"   "3440091"   "3617805").PN. OR ("4237514").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2009/03/18<br>11:49 |
| S10 | 11 | ("3416027"   "3896342"   "3906308"   "3989984"   "4237514").PN. OR ("4583702").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2009/03/18<br>11:56 |
| S11 | 9  | ("3416027"   "4237514"   "4429341"   "4445161"   "4506311"   "4583702"   "4796153"   "5841066").PN. OR ("7120004").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2009/03/18<br>11:58 |
| S12 | 16 | ("3416027"   "4237514"   "4445161"   "4479163"   "4506311"   "Re25417").PN. OR ("4796153").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2009/03/18<br>12:01 |

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| S13 | 61 | ("1492952"  <br>"20020134887"  <br>"20040257261"  <br>"20050041362"  <br>"2373214"   "2403195"<br>  "2614059"  <br>"2679467"   "3114526"<br>  "3195138"  <br>"3261575"   "3331570"<br>  "3416027"  <br>"3416758"   "3433439"<br>  "3808600"  <br>"3906308"   "3906507"<br>  "3925783"  <br>"4051477"   "4240596"<br>  "4275859"  <br>"4296869"   "4570166"<br>  "4728059"  <br>"4755904"   "5024399"<br>  "5062589"  <br>"5121128"   "5125600"<br>  "5129990"  <br>"5201481"   "5392053"<br>  "5582365"  <br>"5626314"   "5662293"<br>  "5691736"  <br>"5747721"   "5820077"<br>  "5861860"  <br>"5893534"   "5958557"<br>  "6107976"  <br>"6213426"   "6213428"<br>  "6411258"  <br>"6443392"   "6558785"<br>  "6926237").PN. OR<br>("7384015").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2009/03/18<br>12:09 |
| S14 | 32 | ("1419261"  <br>"2239693"   "2982494"<br>  "3498572").PN. OR<br>("3906308").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2009/03/18<br>12:13 |
| S15 | 12 | ("2982494"  <br>"4161370"   "4587592"<br>  "5499782"  <br>"5542624"   "5574613"<br>  "5716193"  <br>"6407900"   "6457943"<br>  "6932574"  <br>"7186086").PN. OR<br>("7377750").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2009/03/18<br>12:50 |
| S16 | 9  | (apparatus process)<br>same hole same (non<br>\$1conduct\$3 non adj<br>conduct\$3) with (fill\$3)<br>same (cut\$3 divid\$3)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/03/18<br>17:05 |

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| S17 | 0   | "29".clas. and (ligh\$4 strike) near (diverter obsorb\$3)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/03/18<br>18:54 |
| S18 | 14  | (lightning strike) near (divert\$3 absorb\$3) and (non\$1conduct\$3 non adj conduct\$3) near (material layer)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/03/18<br>18:59 |
| S19 | 197 | 361/218.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/09/01<br>15:33 |
| S20 | 20  | S19 and lightning near divert\$3  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/09/01<br>15:34 |
| S21 | 11  | ("0501114"   "2032566"   "3416207").PN. OR ("4506311").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2009/09/01<br>15:40 |
| S22 | 18  | ("3416027"   "4237514"   "4445161"   "4479163"   "4506311"   "Re25417").PN. OR ("4796153").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2009/09/01<br>16:29 |
| S23 | 45  | (concave convex) with (advantage benefit) and surge   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/09/02<br>10:33 |
| S24 | 13  | ("20030168319"   "20040178912"   "20050247545"   "20060117554"   "3832530"   "5221831"   "5929760"   "6218942"   "6236316"   "6703935"   "7010279"   "7102523"   "7136271").PN. | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/09/02<br>11:04 |
| S25 | 1   | 11/726519   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/09/02<br>11:41 |
| S26 | 647 | static near3 strip  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/09/02<br>11:43 |

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| S27 | 3     | static near3 strip with Y  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/09/02<br>11:44 |
| S28 | 23    | static near3 strip and metal same discharg\$3  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/09/02<br>11:46 |
| S29 | 25486 | surge and shape  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/09/02<br>13:46 |
| S30 | 5106  | surge and shape and (electrostatic lightning spike)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/09/02<br>13:46 |
| S31 | 1094  | surge and shape and (electrostatic lightning spike) and strip  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/09/02<br>13:47 |
| S32 | 5106  | surge and shapes and (electrostatic lightning spike)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/09/02<br>13:49 |
| S33 | 1830  | surge and shapes and (electrostatic lightning spike) and (non \$1conductive dielectric)                                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/09/02<br>13:50 |
| S34 | 1458  | surge and shapes and (electrostatic lightning spike) and (non \$1conductive dielectric) and metal                        | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/09/02<br>13:51 |
| S35 | 254   | surge and shapes near concave  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/09/02<br>13:52 |
| S36 | 215   | boeing.as. and lightning   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/09/02<br>15:19 |
| S44 | 9     | ("4994874"   "5223737"   "5334886"   "5452171"   "5471082"   "5780905"   "5789785"   "6635930").PN. OR ("6784499").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2009/09/02<br>16:22 |

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| S45 | 12 | ("4896243"  <br>"5343053"   "5369041"<br>  "5453384"  <br>"5455436"   "5670799"<br>  "5856214"  <br>"5872379"   "6081002"<br>  "6433979"  <br>"6465848"  <br>"6566715").PN. OR<br>("7285828").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2009/09/02<br>16:33 |
| S46 | 18 | ("20050178912"  <br>"2982494"   "3755713"<br>  "3906308"  <br>"4502092"   "4574325"<br>  "4609904"  <br>"4839771"   "4888451"<br>  "4920449"  <br>"5127601"   "5225265"<br>  "5352565"  <br>"5698316"   "5863667"<br>  "6327132"  <br>"6666406").PN. OR<br>("7554785").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2009/09/02<br>17:04 |
| S47 | 18 | ("3713880"  <br>"3755713"   "3894608"<br>  "3898526"  <br>"3906308"   "3989984"<br>  "4101689"  <br>"4186237"   "4237514"<br>  "4308568"  <br>"4323946"   "4329731"<br>  "4398234"  <br>"4429341"   "4542054"<br>  "Re25417").PN. OR<br>("4824713").URPN.                    | US-PGPUB;<br>USPAT;<br>USOCR                | OR | ON | 2009/09/02<br>17:20 |
| S48 | 18 | double near sided near<br>type with strip  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>IBM_TDB | OR | ON | 2009/09/02<br>18:21 |

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